



FINAL

# NJ Water Monitoring Council

## Measuring What Counts for Clean & Plentiful Water

### MEETING AGENDA

September 23, 2020, 9:30am – 3:30pm

Virtual Teams Meeting

- **Council Business** – Bob Schuster, DEP/DWM&S and Bob Reiser, USGS NJWSC (9:30-10:00)
  - Minutes
  - 2021 Council Meetings: January 20 (DEP HQ or virtual) [Snow date – February 3], May 26 (USGS) September 22 (DRBC) Jan Topic Recommendations: Continuous Monitoring (Impediments & Data Use)? Others?
  - Council member updates: New members - Jason Adolf (Monmouth University), Allison Fitzgerald (NY/NJ Baykeeper), Greg Raspanti (DEP/OQA)
  - Announcements
    - 12<sup>th</sup> National Monitoring Conference (Apr 20-22, 2021, Virtual) – Bob Reiser
    - New DEP Water Resource Management Assistant Commissioner – Bob Schuster
    - HABs Update: Confirmed Blooms, Trainings, Videos – Alena Baldwin-Brown
    - Enhancing NJWMC Website – Alena

### Session: Monitoring for Microplastics in Water

- *Summits to Stomachs: An Overview of Microplastics in Our Environment* - Austin Baldwin, USGS IDWSC (10:00-10:30)
- *Microplastic Particle Analysis of Hudson River Surface Water Using Flow-Through Imaging Raman Spectroscopy* – Cameron Fairclough (for Scott Gallagher), Woods Hole Oceanographic Institution (10:30-10:55)

Break (10:55-11:10)

- *Monitoring Microplastics in New Jersey and the Northeast Region* - Pam Reilly, USGS NJWSC (11:10-11:35)
- *Monitoring and Analytical Challenges and Techniques for Microplastics in NJ* – Nicole Fahrenfeld, Rutgers University (11:35-12:05)
- Discussion (monitoring and analysis-related) – 12:05-12:30

Lunch Break (12:30-1:15)

- *Micro- and Nanosized Plastics: Implications for Human Health* - Phoebe Stapleton, Rutgers University (1:15-1:45)
- *Zooplankton Ingestion of Microplastics* - Grace Saba, Rutgers University (1:45-2:10)
- *Chemical Characterization of Plastic Polymers, including Microplastics Analyses from the Raritan and Passaic Rivers* - Ashok Deshpande, NOAA (2:10-2:35)
- *Ecological Survey and Effects of Microplastics in Freshwater Lakes and Wetlands* – Aaron Stoler, Stockton University (2:35-3:05)
- Discussion (health effects) – 3:05-3:30pm